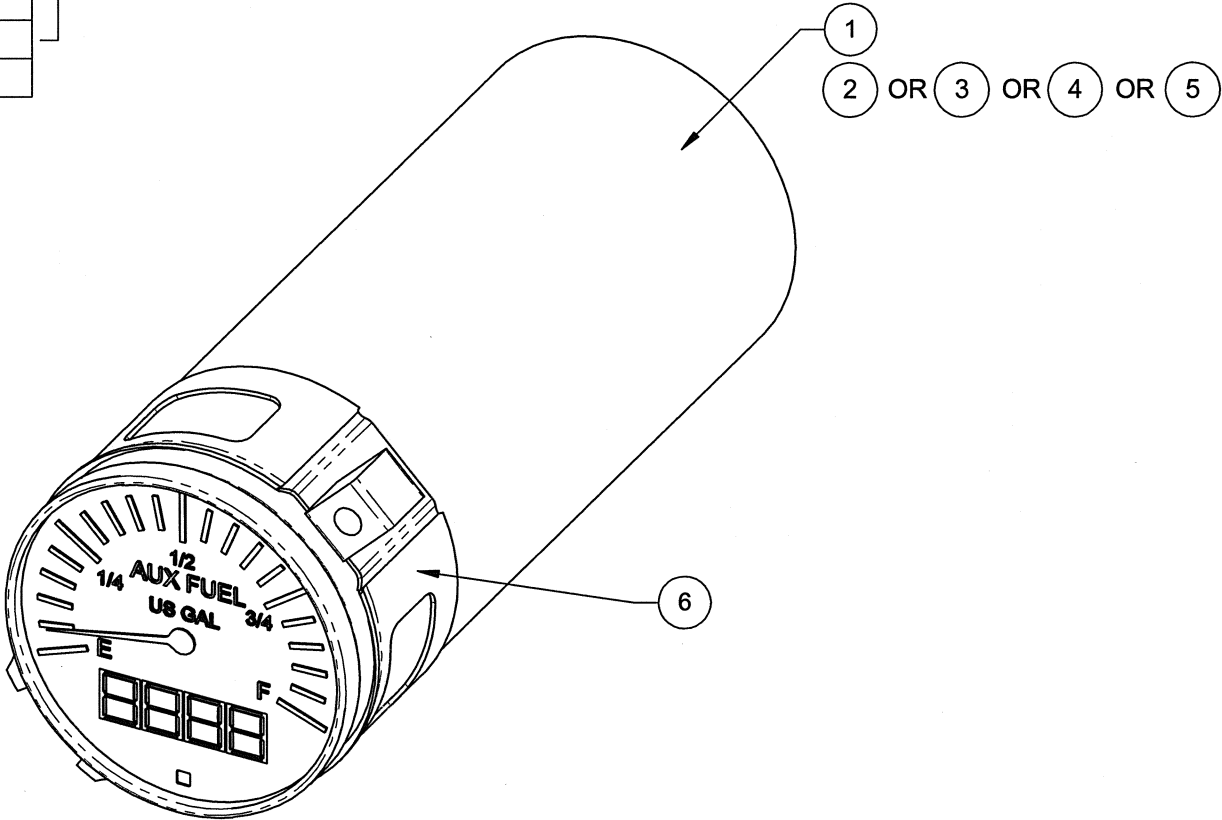


ITEM	QTY -041	QTY -043	QTY -045	QTY -047	P/N	DESCRIPTION
	X				D5473-041	FUEL GAUGE ASSEMBLY D350-794-011 INSTALLATION
		X			D5473-043	FUEL GAUGE ASSEMBLY D130-794-021 INSTALLATION
			X		D5473-045	FUEL GAUGE ASSEMBLY D350-794-111 INSTALLATION
				X	D5473-047	FUEL GAUGE ASSEMBLY D130-794-121 INSTALLATION
1	1	1	1	1	D5473-1	FUEL GAUGE
2	1				D350-794-CAL1	AS350 CALIBRATION FILE
3		1			D130-794-CAL1	EC130 CALIBRATION FILE
4			1		D350-794-CAL2	AS350 CALIBRATION FILE
5				1	D130-794-CAL2	EC130 CALIBRATION FILE
6	1	1	1	1	MS28042-1A	CLAMP - INSTRUMENT MOUNT



D5473-04X FUEL GAUGE ASSEMBLY

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2019 OCT 07
ECN 19-832

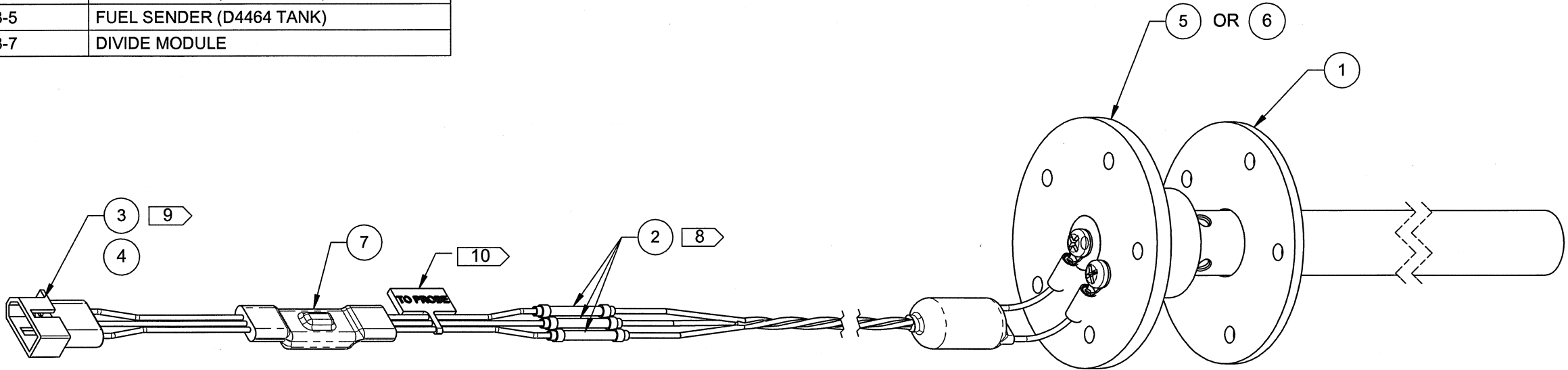
B

- NOTES:
- 1) MATERIAL: N/A
 - 2) FINISH: N/A
 - 3) TOLERANCES: N/A
 - 4) UNITS: N/A
 - 5) BREAK SHARP EDGES: N/A
 - 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D5473-04X" PER QSI 044 6.1
 - 7) WEIGHT: N/A
 - 8) LOAD CALIBRATION FILE PER THE INSTRUCTIONS FOUND IN SECTION 7.2 OF THE CALIBRATION PROCEDURE CAL-D350-794-1 Rev A, OR LATER APPROVED REVISION.

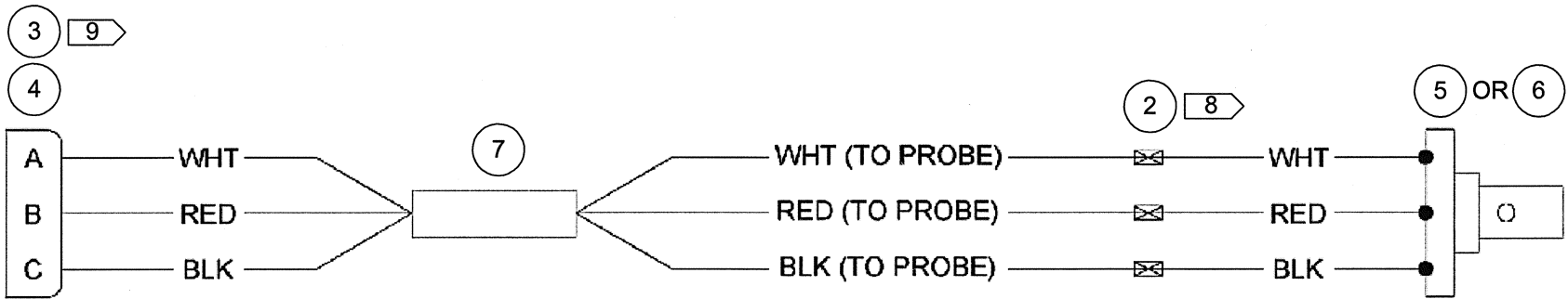
APPROVED

B	REVISED NOTE 8, IS "SECTION 7.2", WAS "SECTION 6.2" REF CAR18-245	WK	18.05.07
A	NEW ISSUE	WK	17.07.04
REV.	DESCRIPTION	BY	DATE
DESIGN	WK	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	WK		
CHECKED	RF	DRAWING NO.	REV. B
MFG. APPR.	DD	D5473	SHEET 1 OF 5
APPROVED	HS	TITLE	SCALE
DE APPR.	DS	FUEL GAUGE & SENDER	NTS
DATE	18.05.07	COPYRIGHT © 2017 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

ITEM	QTY -061	QTY -063	P/N	DESCRIPTION
	X		D5473-061	FUEL SENDER ASSEMBLY (D4055 TANK)
		X	D5473-063	FUEL SENDER ASSEMBLY (D4464 TANK)
1	1	1	D4025-3	GASKET
2	3	3	D4290-19	WIRE SPLICE (BLUE)
3	3	3	D4290-35	CRIMP PIN
4	1	1	D4290-41	PLUG HOUSING
5	1		D5473-3	FUEL SENDER (D4055 TANK)
6		1	D5473-5	FUEL SENDER (D4464 TANK)
7	1	1	D5473-7	DIVIDE MODULE



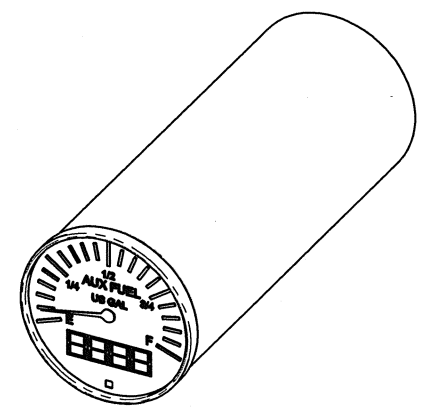
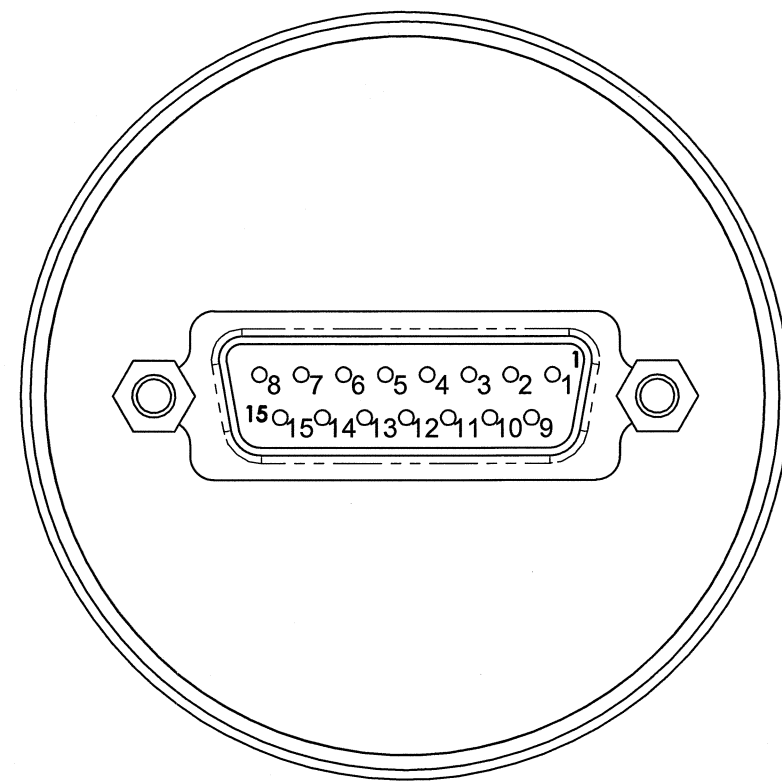
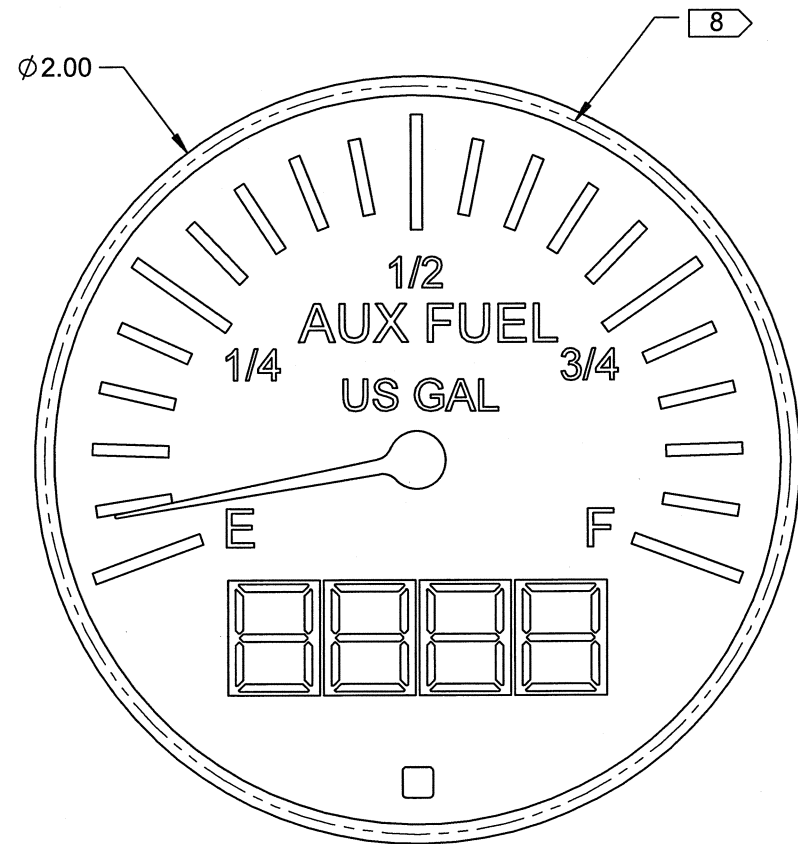
D5473-06X FUEL SENDER ASSEMBLY



D5473-06X FUEL SENDER ASSEMBLY WIRING DIAGRAM

- NOTES:
- 1) MATERIAL: N/A
 - 2) FINISH: N/A
 - 3) TOLERANCES: N/A
 - 4) UNITS: N/A
 - 5) BREAK SHARP EDGES: N/A
 - 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D5473-06X" PER QSI 044 6.1
 - 7) WEIGHT: N/A
 - 8) CRIMP USING A RAYCHEM AD-1377 OR EQUIVALENT CRIMP TOOL
 - 9) CRIMP USING A MOLEX 63819-1200 OR EQUIVALENT CRIMP TOOL, AND INSERT USING A MOLEX 11-02-0003 OR EQUIVALENT INSERTION TOOL
 - 10) REMOVE "TO PROBE" LABEL AFTER ASSEMBLY

APPROVED	DESIGN	WK	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
	DRAWN	WK		
	CHECKED	RF	DRAWING NO.	REV. B
	MFG. APPR.	DD	D5473	SHEET 2 OF 5
	APPROVED	HS	TITLE	SCALE
	DE APPR.	DS	FUEL GAUGE & SENDER	NTS
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- PIN CALLOUT:
- 1 - POWER IN (14 OR 28 VDC)
 - 2 - RS-232 TX OUT TO DB9 PIN 2
 - 3 - RS-232 RX IN TO DB9 PIN 3
 - 4 - CONSTANT POWER, OPTIONAL (9 TO 28 VDC)
 - 5 - YELLOW CAUTION OUT
 - 6 - EXTERNAL SWITCH INPUT
 - 7 - P-300C (BLACK) TO P-300C/4 MODULE (GROUND)
 - 8 - NOT USED
 - 9 - GROUND
 - 10 - GROUND TO DB9 PIN 5
 - 11 - GROUND
 - 12 - RED WARNING OUT
 - 13 - BACKLIGHT CONTROL (0 TO 40 VDC)
 - 14 - P-300C (RED) TO P-300C/4 MODULE (5 VDC)
 - 15 - P-300C (WHITE) TO P-300C/4 MODULE (SIGNAL)

D5473-X FUEL GAUGE

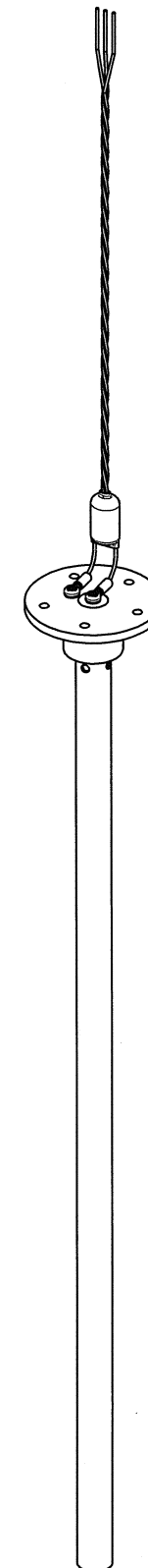
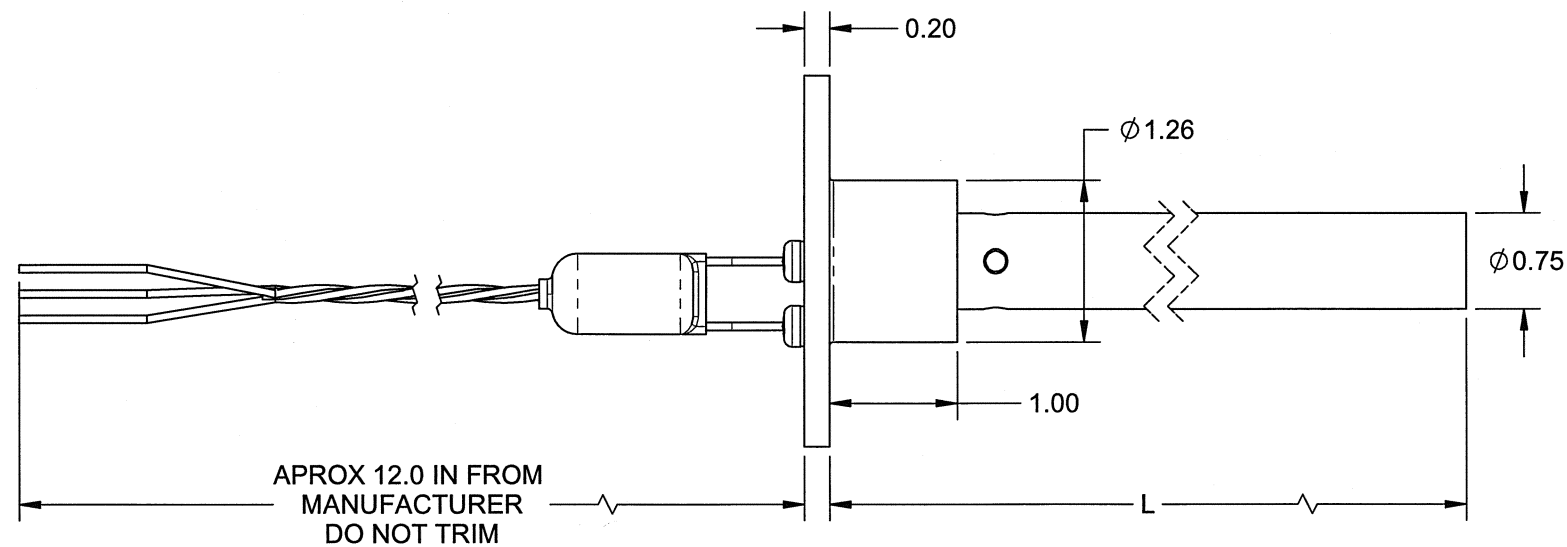
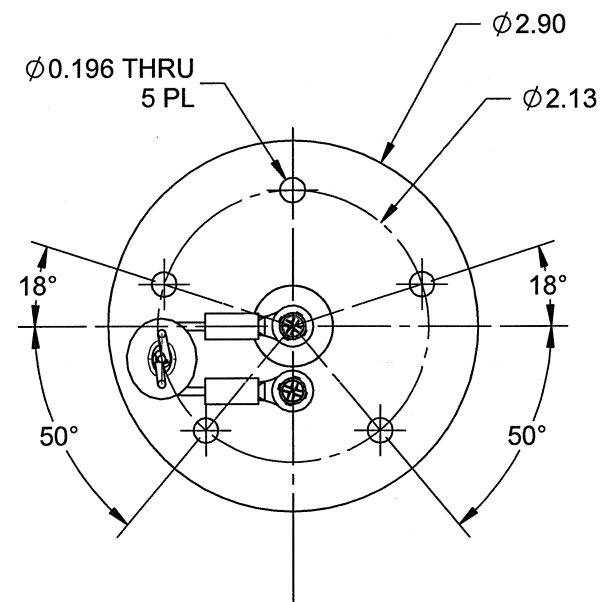
DART PART NUMBER	MANUFACTURER	MANUFACTURER PART NUMBER	OPERATING TEMPERATURE	POWER CONSUMPTION	OPERATING VOLTAGE	TECHNICAL STANDARD ORDER	ENVIRONMENTAL QUALIFICATION
D5473-1	ELECTRONICS INTERNATIONAL INC.	TR-1FL-D1	-40°C TO +70°C -40°F TO 158°F	6 TO 55 VOLTS, 0.075 AMPS	28 VDC	TSO-C55A	DO-160G

RELEASED
2019 OCT 07

- NOTES:
- 1) MATERIAL: N/A
 - 2) FINISH: N/A
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: N/A
 - 6) IDENTIFICATION: N/A
 - 7) WEIGHT: 0.30lbs
 - 8) WHITE GRAPHICS ON BLACK BACKGROUND

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DESIGN	WK	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	WK		
CHECKED	RF	DRAWING NO.	REV. B
MFG. APPR.	DD	D5473	SHEET 3 OF 5
APPROVED	HS	TITLE	SCALE
DE APPR.	DS	FUEL GAUGE & SENDER	NTS
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D5473-X FUEL SENDER

DART PART NUMBER	ASSOCIATED TANK ASSEMBLY	MANUFACTURER	MANUFACTURER PART NUMBER	LENGTH "L" (INCHES)	WEIGHT (LBS)	TECHNICAL STANDARD ORDER (TSO)	ENVIRONMENTAL QUALIFICATION
D5473-3	D4055	ELECTRONICS INTERNATIONAL INC	P-300C-D1	25.50	0.51	TSO-C55A	DO-160G
D5473-5	D4464	ELECTRONICS INTERNATIONAL INC	P-300C-D3	23.63	0.50	TSO-C55A	DO-160G

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: SEE TABLE
- 8) RECEIVING INSPECTION REQUIREMENTS:
 - a) INSPECT FOR VISUAL DAMAGE
 - b) OVERALL CYLINDER LENGTH - SEE TABLE

RELEASED

2019 OCT 07

APPROVED

DESIGN	WK	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	WK		
CHECKED	RF	DRAWING NO.	REV. B
MFG. APPR.	DD	D5473	SHEET 4 OF 5
APPROVED	HS	TITLE	SCALE
DE APPR.	DS	FUEL GAUGE & SENDER	NTS
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